

405 AGCTGGCCAGCCAGTGAAGAGCGCTGAAGCTGCTGTAACAATGAATCCCTGTCCTG 464
465 AGCTGGCCAGCCAGTGAAGAGCGCTGAAGCTGCTGTAACAATGAATCCCTGTCCTG 424
465 GGTCCCAACCAAGAAAGTGGCTGTAACTGCTTCACTGAGGAGGAGTGTATGCTGCTAC 524
425 GGGCCCAACCAAGAAAGTGGCTGTAACTGCTTCACTGAGGAGGAGTGTATGCTGCTAC 484
525 TACTGTGCAAGTTCAGCATCTCCCAACCTGGCAGAAAGATTGATCGGCGCATGGCT 584
485 TACTGTGCAAGTTCAGCATCTCCCAACCTGGCAGAAAGATTGATCGGCGCATGGCT 544
585 GTGAGAGGAGTGAATGCAATGGCCACCCCGAGCAGCGGCATGAAATCTTGTGCTAACA 644
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665 AGCTTGGCTGCAAGCGCCGCGGTGTGAGAGTGAATGGCTTCAACACGCGCTGCTCCT 724
765 AAGAGTCCCTAACCGGCGCATGCGCGCTGCGAGTGGGTCTGCGGAGGAGACCGCATCT 824
725 GACAGCCCTTAACCGCGCTGCAATGCGCGCTGCGAGTGGGTCTGCGGAGGAGACCGCAT 784
825 GTGTGAGCGCTCACTTCCGAGCTTGTGATGCTGCTGCTGATGAGCATGAGCATGAC 884
785 GTGTGAGCGCTCACTTCCGAGCTTGTGATGCTGCTGCTGATGAGCATGAGCATGAC 844
885 CTGTGACCGCTGTATGATGAGCTGAGGCGCCCAAGAGACCGCGCTGAGTGGGTGCT 944
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905 GGCACCTTCTACCGCTCTTCTTCAACTGACTTCTCTCTCCAGAAAGTCTTCTCTGTC 964
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1365 TACACGAGACCGGCTTCTTAAGTGAATCTCTCTTACGATCCAGTGAACCATGACCG 1424
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1385 GGGAGTTCATGTGCAAGCTGAGCGTGCATCCGAAAGAACTGGGCTGCGACCGCTG 1444
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1805 GACGCTCAATGAGAAAGACTGCACTGTGAGCTGCGGTATTCACAGACAGGCTGT 1864
1905 GTGTGTTGGTCAAGAAATGCGGACGAGGCGAGTGGCCCTGAGTGGAGCTTCCAGCCTC 1964
1865 GTGTGTTGGTCAAGAAATGCGGACGAGGCGAGTGGCCCTGAGTGGAGCTTCCAGCCTC 1924
1965 CTGGGCGCAGGCGCACTTGTGTGGGCGCTGCTCATCTCTCTGACTGAGCTGCTGTCTGCA 2024
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2025 GCTATGCTTCTTCAAGATGAGCAAAAATTTCAAGTACAGTACAGTACAGTGGAGCGCC 2084
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2045 TTCTGGGTCTGTGAGACCAAGCAAGCGCAGTGTCTGGGAGTGCAGAGCTGAGCTC 2104
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2105 AAAGTATCATCAACCACTCTTCTTCAATGATTTACCTTGTGACTGATGACATGCGCTTG 2164
2205 CTGAGCTGAGAAAGTGGTGTGAGTACAGCAACCGTGTGCGGCCCATGCTGCTGCTGAT 2264
2165 CTGAGCTGAGAAAGTGGTGTGAGTACAGCAACCGTGTGCGGCCCATGCTGCTGCTGAT 2224
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2225 GCTACCATGATCTTCTCTGTGAGCAAGGCGCATCTGGGTCAACAGCTGGGCGCACAAA 2284
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2285 TATGAGGCACTGGGCGCTGATCTCTGCAAGAGGTGATTCCTGTCTATCAACCAAGACC 2344
2385 ACCTGTGAGACCTCATGCGCGAGCATCAACCCAGCAATGATGTGTGAGTTCCTC 2444
2345 ACCTGTGAGACCTCATGCGCGAGCATCAACCCAGCAATGATGTGTGAGTTCCTC 2404
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2505 GATGGCGAATTTCTCAAGCTGTGTGTGTGAGCTGGGCTGGAAGGCTGCTCAGAGAAAC 2564
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Db 2525 AAGCAGGCGGTGATACAAAGGCTCCCTCTGTTTCGGACCTGATCAAGAAAGAACTGGG 2584
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 Db 2585 GTATGAGGCGCGGG---GCCACCCAAATGTTACACTGGGGGCCACCCATGTGTCCACC 2641
 QY 2685 CCTGATGATGAGGAGGAAACATGACGACATTTATGTGTGGGCTTCCCCCCCAACACA 2744
 Db 2642 CCAATGTGACG-CCTGCAAGGCTGAGACCTGACCCCTGATCTGCACAGGCGCC-CCAGA 2699
 QY 2745 ACCGACCTGTGACTGATCTCTTGAAGACTCAGAGT 2780
 Db 2700 AATATCACTGTGAACTCAATCTTCCAGGCTCCAAAT 2735

RESULT 2
 US-09-644-600-1
 ; Sequence 1, Application US/09644600
 ; Patent No. 6451500
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Brien, Timothy J.
 ; APPLICANT: Tanimoto, Hirotsoshi
 ; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
 ; FILE REFERENCE: D6064CIP/D
 ; CURRENT APPLICATION NUMBER: US/09/644,600
 ; PRIOR FILING DATE: 2000-08-23
 ; PRIOR APPLICATION NUMBER: 09/421,213
 ; PRIOR FILING DATE: 1999-10-20
 ; PRIOR APPLICATION NUMBER: 09/027,337
 ; NUMBER OF SEQ ID NOS: 98
 ; SEQ ID NO 1
 ; LENGTH: 3147
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: TADG-15
 US-09-644-600-1

Query Match 60.6%; Score 1883.2; DB 4; Length 3147;
 Best Local Similarity 81.2%; Pred. No. 0;
 Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;
 QY 45 GATCGACCGCCAAACCATGGTAGCAATCGGGGCGCCAGCGCGAGGCTCTGAG 104
 Db 5 GAGCGGCTCGGGGTAACCATGGGAGCGATCGGGCCCGCAAGGCGGAGGCCGAAG 64
 QY 105 GACTTCGGGCGGGGACTGAATGACAACTCCCGGCTAGAGAAATGATGGCTTTGAGAG 164
 Db 65 GACTTCGGGCGGGGACTGAATGACAACTCCCGGCAAGAAATGATGGCTTTGAGAGAA 124
 QY 165 GGTGTGAGTCTCTGCTGCGAACAATCCAAAGAAAGTGAAGAGCGAGGCCCGAGGGCG 224
 Db 125 GCGGTGAGTCTCTGCTGCGAACAATCCAAAGAAAGTGAAGAGCGAGGCCCGAGGGCG 184
 QY 225 TGGGTGTGCTGTGGGAGTGTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284
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 QY 285 CTGGGTGTGCT 344
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 QY 345 AGGATCACAATGAGATCTTCTGGATGCTATGAGAACTCACTCTCAAGAGTTATC 404
 Db 305 AGGATCACAATGAGAAATTTGTGATGCTCTCAAGAACTCACTCTCAAGAGTTATC 364
 QY 405 AGCTGTGCGAGCGAGGTGAAGAGAGCGGTGAAGTGTCTGTAACAATGAAGTCTCTCTG 464
 Db 365 AGCTGTGCGAGCGAGGTGAAGAGAGCGGTGAAGTGTCTGTAACAAGTGTCTCTCTG 424
 QY 465 GGTCTCCATCCAAAGAGTGGCTGTATCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCT 524

Db 425 GGCCCTTACCAAGAGAGTGGGTGTGAGCGGCTTTCAGGAGGAGCGATCATCGCTAC 484
 QY 525 TACTGTGAGATTCAGCATTCCTCCCAACCTGGGCAAGAGTGTATGCGCATGGCT 584
 Db 485 TACTGTGAGATTCAGCATTCCTCCGAGCATCTGTGTGAAGAGAGCGGCTCATGGCC 544
 QY 585 GTGAGCGAGTGTAACTTGCACCCGAGGAGCGGCGACTGAATCTCTTGTGTACCA 644
 Db 545 GAGGAGCGGCTGTGTATGCTGTGCTCCCGGCGGCTCTCTCTGAACTCTTGTGTAC 604
 QY 645 TGTGTGTGCTTCTCCCATTTGACCCCAATGCTGACAGAGCTGAGCAACAGCTGC 704
 Db 605 TCAGTGTGTGCTTCTCCCAAGAGCTCAAAACAGTCAAGAGAGCCAGAGCAACAGCTGC 664
 QY 705 AGTTTGTGCTGATGCTGCTGAGGAGAGTGAACAGCTTCACTACCTGTGCTTCCC 764
 Db 665 AGCTTGTGCTGATGCTGCTGAGGAGAGTGAACAGCTTCACTACCTGTGCTTCCC 724
 QY 765 AACAGTCCCTACCGGCGATGCGGCTGCGAGTGTGCTGCGGAGGAGAGCGGCTCT 824
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 Db 1205 GGTCTCTGCAACCAAGAGATTAATGAGATCAACGAGGAGAAATGACTGCGGTGAGAGTGC 1264
 QY 1305 CAGTTTGTGAG 1364
 Db 1265 CAGTTTGTGAG 1324
 QY 1365 TACACGAGACCGGCTTCTAGCTGAGTACCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1424
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 QY 1425 GGGATGTTCATGATGACAGAGCTGAGAGCTGTCCGAAAGAACTGCGGTGAGAGCTGG 1484
 Db 1385 GGGATGTTCATGATGACAGAGCTGAGAGCTGTCCGAAAGAACTGCGGTGAGAGCTGG 1444
 QY 1485 GCAGACTGCGCGAGTTATGATGAGGCTTATCTGCGATGAGCAACCAACAGCTTC 1544
 Db 1445 GCGAGCTGAG 1504
 QY 1545 AGCTGTCAAAAACAGTTCTGCAAGCCCTCTTCTGTGCTGTGACAGTGTCAAGACTGT 1604

QY 2745 ACCGAGCTGTGAATGCAATCTTTAGACTCAGACT 2780
DB 448 ACATACACTGTGAACCTCAATCTCCAGGGCTCCAAAT 413

RESULT 4
US-09-654-600A-1
; Sequence 1, Application US/09654600A
; Patent No. 6649741
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hiroshi
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
; TITLE OF INVENTION: Overexpressed in Carcinomas
; FILE REFERENCE: D60641P/D
; CURRENT APPLICATION NUMBER: US/09/654,600A
; PRIOR APPLICATION NUMBER: 09/421,213
; 09/027,337
; PRIOR FILING DATE: 1999-10-20
; 1998-02-20
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 1
; LENGTH: 3147
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: TADG-15
US-09-654-600A-1

Query Match 60.6%; Score 1883.2; DB 4; Length 3147;
Best Local Similarity 81.2%; Pred. No. 0;
Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;

QY 45 GATCGAGCCGCCAAACCATGAGTACCAATCGGGCCGCAAGGCCGAGGGGCTCTCAG 104
DB 5 GACGGGCTGTGGGGTACCATGGGGAGGATCGGGCCGCAAGGGCGAGGGGCCGAG 64

QY 105 GACTTCGGCCGGGACTCAAGTACATCTCCCGGTAGAGAAATGATGGCTTTGAGAG 164
DB 65 GACTTCGGCCGGGACTCAAGTACATCTCCCGGCAAGAAAGTAAATGCTTGGAGAA 124

QY 165 GGTGTGAGTCTCTGCGCTGGAGCAATGCCAAGAAATGAGAAAGCGAGGCCCGCGC 224
DB 125 GGGGTGAGTCTCTGCGCTGGAGCAATGCCAAGAAATGAGAAAGCGAGGCCCGCGC 184

QY 225 TGGGTGTGCTGTGTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 284
DB 185 TGGGTGTGCTGTGTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 244

QY 285 CTGTGTGTGCACTTCCATTCGGAATGTGGGGTTCAAAAGTCTTCAATGGCCATCTG 344
DB 245 CTGTGTGTGCACTTTCGAGTACCGGGACGTGTGTGTGTGTGTGTGTGTGTGTGTGT 304

QY 345 AGGATCACAATATGATCTTCTGATGCGTATGAGAACTCCACCTCCACAGATTATC 404
DB 305 AGGATCACAATATGAGAAATTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 364

QY 405 AGCTGTGCGCAAGTGTGAGAGAGCGGTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGT 464
DB 365 AGCTGTGCGCAAGTGTGAGAGAGCGGTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGT 424

QY 465 GGTCTCTTACCAAGAAATGT 524
DB 425 GGTCTCTTACCAAGAAATGT 484

QY 525 TACTGTGAGAGT 584
DB 485 TACTGTGAGAGT 544

QY 585 GTGAGAGAGT 644
DB 545 GAGAGAGAGT 604

QY 645 TCTGT 704
DB 605 TCAAGT 664

QY 705 AGTTTGT 764
DB 665 AGTTTGT 724

QY 765 AACAGT 824
DB 725 GACAGT 784

QY 825 GT 884
DB 785 GT 844

QY 885 CTGT 944
DB 845 CTGT 904

QY 945 GGCAGT 1004
DB 905 GGCAGT 964

QY 1005 AGCTGT 1064
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DB 1025 CTTAGATGT 1084

QY 1125 TACTATCCAGGCTGT 1184
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QY 1245 GGTCTGT 1304
DB 1205 GGTCTGT 1264

QY 1305 CAGTTGT 1364
DB 1265 CAGTTGT 1324

QY 1365 TACAGGAGACCGGT 1424
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QY 1425 GGGATGT 1484
DB 1385 GGGATGT 1444

QY 1485 GCAAGT 1544
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QY 1545 AGGT 1604
DB 1505 AGGT 1564

QY 1605 GGGAGGAGT 1664
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DB 1625 GGGAGGAGT 1684

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 QY 1065 CCGAAGTGAAGAGCTGTGGCGGCTTTTGTGATGACACCCAGAGGACATTTAGCAGCCCC 1124
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 QY 2505 GATGGGCGAAATGTTTCAAGGCTGT 2564
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 QY 2625 GTATGAGAGATGAGACAGACGCGCAACCAAAACCAACCAAGGAGTGGCGGACATGACCA 2684
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 QY 2685 CTTGATTAACAGAGAGGAAACTGACGACATTTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2744
 Db 506 CCAATGTGACG-CTGTGAGGCTGAGAGCTGAGACCGCTGATGACGACGCGCC-CCAGA 449
 QY 2745 ACCGAGCTGTGAATGCTGATCTTGAAGTCAAGT 2780
 Db 448 ACATTAACCTGTAACCTCAATCTCCAGGGCTCCAAT 413

RESULT 6
 US-09-027-337-9
 ; Sequence 9, Application us/09027337B
 ; Patent No. 5972616
 ; GENERAL INFORMATION:

D	b		1841	AGGCGCTTCTTG6GCTTTGGACGACGACGACCAGCGA--GGCCTTG6GGGTGCAGAGCGC	1898
Q	y		2139	AAGCTCAAAAGTATCATCAACCCACCTTCCTTCATGATTTCACCTTGACTATGATCATC	2198
D	b		1899	AGGCTCAAGGCAATCATCTCTCCACCCCTTCTTAATGACTTCACTTCAGCTATGATCATC	1958
Q	y		2199	GCTTGTGTGAAGCTGGAGAAGTGGGTGAGTACAGCACCGTGTGGGCCCATCTGTGCTG	2258
D	b		1959	GGCTGTGTGAAGCTGGAGAACCGGCGAGATACAGCTTCATGGTGGCGCCCATCTGTGCTG	2018
Q	y		2259	CCGATGCTCAACCCCATGCTCTTCCCTGTGGACAAGGCATCTGGGTCAACAGGCTGGGGCAC	2318
D	b		2019	CCGAGACGCTTGCATGCTCTTCTTCCCTGGCGGAGAGGCATCTGGGTCAAGGGGTGGGGCAC	2078
Q	y		2319	ACAAAAGAGGAGGATACCCGAGAGCGCTGATCTCTGAGAAAGGGTGAATCCGTGTATTAAC	2378
D	b		2079	ACCCAGATATGAGGCACTGGGGCGCTGATCTCTGAAAGGGTGAATCCGCTGTATTAAC	2138
Q	y		2379	CAGACCACTGTGAGAACCTTCATGCCGACAGATCAACCCAGCAATGATGTGTGGGT	2438
D	b		2139	CAGACCACTGTGAGAACCTTCCTCCGACAGATCAACGCCGCAATGATGTGTGGGT	2198
Q	y		2439	TTCCTCACTGGGGGTGTGGAAGCTCCTGACAGGGGTATCTGTGTGCCCCCTTGTCAAGCGC	2498
D	b		2199	TTCCTCACTGGGGGTGTGGAAGCTCCTGACAGGGGTATCTGTGTGCCCCCTTGTCAAGCGC	2258
Q	y		2499	GAGAAAGATGGGCGMAATGTTCCAGAGCTGTGTGTGTGAGTGGGTTGAAGGCTGCTGAC	2558
D	b		2259	GAGGCGGATGGGCGGATCTTCCAGGCGGATGTGTGAGTGGGTTGAAGGCTGCTGAC	2317
Q	y		2559	AGGAACAAGCCAGGCGGTGTACACAAGGCTCCCTGTGATGTGGGACTGGAATCAAAGAGAC	2618
D	b		2318	AGGAACAAGCCAGGCGGTGTACACAAGGCTCCCTGTGATGTGGGATGATTAAGAGAGAC	2377
Q	y		2619	ACTGGGGGTATGACGATGAGACAGACAGCGCACCAACAACCCACAGGATGCCCCGACA	2678
D	b		2378	ACTGGGGGTATGAGGAGCGGG---GCCACCAAAATGTATACATCTGGGGGCCACCCATCG	2438
Q	y		2679	TGCACACCTGGATACAGAGAGAGAAACACTGACGACATTATGCTGTGCTCCCCTCC	2738
D	b		2435	TCCACCCAGTGTGACGCGCTGAGAGGCTGAGACTCGGCAACCTGACCTGACACAGCGC	2494
Q	y		2739	AACCAACCCAGACTGTGAACT	2760
D	b		2495	CCCGAACATACACTGTGAACT	2516
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RESULT 7					
US-09-644-600-9					
; Sequence 9, Application US/09644600					
; Patent No. 6451500					
GENERAL INFORMATION:					
APPLICANT: O'Brien, Timothy J.					
APPLICANT: Tanimoto, Hirotochi					
TITLE OF INVENTION: TADG-IS: An Extracellular Serine Protease					
TITLE OF INVENTION: Overexpressed in Carcinomas					
FILE REFERENCE: D6064CIP/D					
CURRENT APPLICATION NUMBER: US/09/644, 600					
CURRENT FILING DATE: 2000-08-23					
PRIOR APPLICATION NUMBER: 09/421, 213					
PRIOR FILING DATE: 1999-10-20					
PRIOR APPLICATION NUMBER: 09/027, 337					
PRIOR FILING DATE: 1998-02-20					
NUMBER OF SEQ ID NOS: 98					
SEQ ID NO 9					
LENGTH: 2900					
TYPE: DNA					
ORGANISM: Homo sapiens					
FEATURE:					
OTHER INFORMATION: SNC-19; GeneBank Accession No. 6451500 #U20428					
US-09-644-600-9					
<hr/>					
Query Match					
49.3%; Score 1530.8; DB 4; Length 2900;					

Best Local Similarity	79.1%;	Pred. No. 0;
Matches 2011; Conservative	0;	Mismatches 502; Indels 29; Gaps 15;

QY	222	CGTGGGTGTGTCTGTGTGCAAGTGTCTTTTCAAGTTCCTTCGCTCTGCTCATAGGCTGAC	281
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QY	282	TTCGTGTGTGCACTTCCATTATCGGAATGTGCGGGTTCAAAAAGCTTCATATGGCAT	341
Db	61	TTCCTGTGTGCAATTGCAATACCGGGACGTGCTGTGTCCAGAAAGTCTTCATATGGCTAC	120
QY	342	CTGAGGATCACAATATGAGATCTTTCTGATGTGTATGAGAACTCCAGCTCCACAGATT	401
Db	121	ATGAGGATCACAAAATGAAATTTTGTGATGTGCTTACGAAATTCACATCCACTGATGTT	180
QY	402	ATGAGCTGACGACGAGGTGAAGAGGCGCTGAAGCTGCTGTATCAATGAATCCCTGTGC	461
Db	181	GTAAAGCTGGCAGCAAGGTGAAGACGGCGTGAAGTCTGTATCAGCGAGATCCCATTC	240
QY	462	CTGGGTCCCTACCAAGAAATGTGCTGTAACTGCTTATGATGAGGAGGAGTGTATNCGC	521
Db	241	CTGGGCCCCCTACCAAGAAATGTGCTGTAACTGCTTATGAGGAGGAGTGTATNCGC	300
QY	522	TACTACTGTGCAGATTTGACATATCCCGCCACACTGGCAGAAAGAGTTATCGCGCATG	581
Db	301	TACTACTGTGTGATTTGACATATCCCGCAGCACTGTGTGAAGAGCGAGCGGTCAATG	360
QY	582	GCTGTGAGGAGGATTGTAACTTTGCCAATCCCGACACCGGCACTGAAATCTTCGTGTCTA	641
Db	361	GC-CAGGAGGCGTAACTGATGCTGCCCGCGCGGCGCGCTCTCTGAAGTCTTTGTGTGTC	419
QY	642	ACATCTGTGTGACCTTCCCATTTGACCCCGAATCTCTCAGAGGACTCAGAGCAACAGC	701
Db	420	ACCTCAATGTGTGTCTTCCCGACGACTCCAAACAGTACAGAGACCCAGAGCAACAGC	479
QY	702	TGCAGTTTTCGCCGTGCATGCCCATGTGTGACAGATGACAGCTTCACTACCTCTGCTTC	761
Db	480	TGCAGTTTTCGCCGTGCACG-CGCGGTGTGAGACTGATGTGCTTCAACACAGGC-GGCTTTC	537
QY	762	CCCAACAGTCCCTTACCCCGGCGCATGCCCGGTGCAGTGGGTCTCTGGGGGGGACGCCGAC	821
Db	538	CCCTACAGCCCCCTTACCCCGCTCAATGCCCGGTGCAGTGGC-----GCTGGGGGAGCCGAC	592
QY	822	TCTGTGTGAGCTCACTTTCGAAAGCTTGTATGTGCTCCCTGTGATGACATGGCACT	881
Db	593	GCAATGTGAGCTATCTGAGCTGACTGCGAGCTTGTACTGTGCGCTCCGACGAGCGCGCAAC	652
QY	882	GACCTGTGCACCGTGTATGATAGCTGTGAGGCCCATGAGAACCCACGCTGTGTGGCGAGT	941
Db	653	GACCTGTGTGA-CGTGTACAAACCTCTAGGCCCATGAGGCCCAACGC---CTGTGATGATG	708
QY	942	TGTGGACCTTCTACCCCTCTACACCTGACTTCTCTCC--TCCAGAAAGTCTTCC	999
Db	709	TGTGGACCTTACCTCCCTCTCTACACCTGACTTCTCTCCACAGAAAGTCTCTCC	768
QY	1000	TTGTACGCTGATTAACCAATATCTGACCGGGGACATCTGTGCTTGTGAGGCAACTTCTCC	1059
Db	769	TGATACACTATTAACCAACCTGAC--GGGGCATTCGGGCTTGTGAGGCCACTTCTTCC	826
QY	1060	AGCTGCCCAATGAGACGTGTGTGGCGGCTTTTGTGATGACACCCCAAGGACATTTAGCA	1119
Db	827	AGCTGCCCAATGAGACGTGTGTGAGCGGCTTACGTAAAGCCCAAGGGACATTTCAACA	886
QY	1120	GCCCTACTATTCAGGCGCATACCGCGCCCAATCAACTGTCACATGTGAATTAAGGTGC	1179
Db	887	GCCCTACTATTCAGGCGCATACCGCACCACTGACTGCAATGTGAATTAAGGTGC	946
QY	1180	CCAAACAACGGAACGTGAAGGTGCGCTTCAACTCTTCTATCTGTGTGATGCCCACTAC	1239
Db	947	CCAAACAACGGAATGTGAAGGTGCGCTTCAAAATCTTCTATCTGTGTGATGCCCGGTGC	1006
QY	1240	CAGTGGGCTCTGCACCAAGACTATGTGTGATTCACGGGGAGAAAGTCTGTGGGTGAGA	1299

Db 1007 CTGCGGGGCACTGCCCCCAAGGACTACGTGGAGATCAATGGGGGAGAAATACTGGCGAGAGA 1066
 QY 1300 GGTCCAGATTGTTGGTGGAGAGCAACAAGCAAGATTAAGTCCACTTCCATTGTGATC 1359
 Db 1067 GGTCCAGATTGTTGGTGGAGAGCAACAAGATTAAGTCCACTTCCATTGTGATC 1126
 QY 1360 ACTCGGACGAGCAACCGGGTCTTAGAGTAACTCTCCATGAGTCCCAAGACCCGT 1419
 Db 1127 AGTCTTACACCGACACCGGCTTTTAGCTGAATACCTCTCCATGAGTCCCAAGACCCAT 1186
 QY 1420 GCCCAGGAGTGTTCATGTGCAAGACTGACCGGTGATCCGAAAGAACTGGCGTGGAGG 1479
 Db 1187 GCCCGGAGAGTTACGTCCCGACCGGGCGGTGATCCGGAAGAGCTGGCTGTGATG 1246
 QY 1480 GCTGGGAGACTCCCGGATTAAAGTATGAGTGGCTTACTCGCATGCAATGCCACCCACC 1539
 Db 1247 GCTGGAGC-GACTGACCGGACCAAGCGATGAGCTCAACTGCAAGTTGCCAGCGCGGACCC 1305
 QY 1540 AGTTACGTCGCAAAAACGAGTTCTGCAAGCCCTCTTGGGTCTGTGCAAGTTCACG 1599
 Db 1306 AGTTACGTCGCAAGAGCAAGTTCTGCAAG--CTCTTCTGGGTCTGCGACAGTGTGAACG 1362
 QY 1600 ACTGTGGGAGCGGAAGTGAAGAGAGGCGTGCAGCTGTCTG-CTGGGAGTTTCAAGTGT 1658
 Db 1363 AGTGGGAGCAACAAGCGACGAGAGGTTGATTTGTCCGAGCCCAAGCTTTCAGGTGT 1422
 QY 1659 TCCAAATGGGAAGTGTCTCTCTAGAGCCAGAAAGTAAATGGGAGAGCAACTGTGAGAT 1718
 Db 1423 TCCAAATGGGAAGTGTCTCTGAAAAGCCAGAGTCAATGGGAGAGCAACTGTGAGAGC 1482
 QY 1719 GGGTCTGAAGAGGCTTTCATGTGACAGCGGTGAATGTCTCTTGAACCAATATATCTTAC 1778
 Db 1483 GGGTCTGAAGAGGCTTCTGCCCCAAGGTAAGTGTGATCTTGAACCAACACCTTAC 1542
 QY 1779 CGGTGCAAAAATGCGCTGTCTGTGCAAGAGGCAACCTGAGTGTGATGGGAGAGCGAG 1838
 Db 1543 CGGTGCTCAATGGGCTCTGCTTGAAGAGGCAACCTGAGTGTGATGGGAGAGAGAGC 1602
 QY 1839 TGTAGCGATGGTCTCGATGAGAAAACTGTGACTGTGAGTGTGATGCTTTTACCAACAG 1898
 Db 1603 TGTAGCGAGGCTCAAGATGAGAAAGAGCTGCGAGTGTGAGTGTGATGCTTTTACCAACAG 1662
 QY 1899 GCTCGCGTGTGTGGGCAAGATGCGAGAGGCGAGTGTGCGCTGGCAGAGTGTGAGCTC 1958
 Db 1663 GCTCGTGTGTGTGGGCAAGATGCGAGAGGCGAGTGTGCGCTGGCAGAGTGTGAGCTC 1722
 QY 1959 CAGGCGCTGAGGCAAGGCGCACTGTGTGGGCTGTGCTCATCTCTCGAATGGTGTGTC 2018
 Db 1723 CATGCTCTGAGGCGAGGCGCACTGTGGGTGCTTCCCTCATCTCTCCCAACTGGCTGTGTC 1782
 QY 2019 TCTGCACTCATTTGCTTTCAGAGATGACAAAAATTTCAAGTACTGACTACAGATGTGG 2078
 Db 1783 TCTGCGGACACTCTCATCATGATGACAGAGATTTCAAGTACTGACAGCCCAAG--CAGG 1840
 QY 2079 ACAGGCTTCTGGGCTGTGCTGAGACCAAGGCAAGGCGAGTGTGCGTGGGTGTCCAGAGCTG 2138
 Db 1841 ACAGGCTTCTGGGCTGTGCTGAGACCAAGGCGAGGCA--GGCGCTGGGTGTCCAGAGGCGC 1898
 QY 2139 AAGGCTCAAGCGATCATCTCCACCCCTTCTTCAATGACTTCACTTTCAGTATGACATC 1958
 Db 1899 AAGGCTCAAGCGATCATCTCCACCCCTTCTTCAATGACTTCACTTTCAGTATGACATC 1958
 QY 2199 GCCTGTGTGAGAGTGGAGAGTGGGTGAGTACAGCAACCGTGTGGCGCCCATGTGCTG 2258
 Db 1959 GCCTGTGTGAGAGTGGAGAGTGGGTGAGTACAGCAACCGTGTGGCGCCCATGTGCTG 2018
 QY 2259 CTTGATGCTACCCATGCTTCTTCTGCGCAAGGCGATCTGGGTGCAAGAGTGGGGGAGC 2318
 Db 2019 CCGAGCGCTGCGATGCTTCTTCTGCGCAAGGCGATCTGGGTGCAAGAGTGGGGGAGC 2078
 QY 2319 ACAAAGAGAGTACCGAGCGCTGATCTGCAAGAGGTTGAGATCCGTGTGATCAAC 2378
 Db 2079 ACCAGATATGAGGCACTGGCGCGCTGATCTGCAAAAAGGTTGAGATCCGTGTGATCAAC 2138

QY 2379 CAGACCACCTGTGAGGACCTCATGCGCGAGAGATCACCCCAAGAAATGATGTGGGT 2438
 Db 2139 CAGACCACCTGTGAGGACCTCATGCGCGAGAGATCACCCCGGATGATGTGGGTGGC 2198
 QY 2439 TTCTCAGTGGGAGTGTGACCTTCCAGAGGTGACTGTGAGGCCCTTGTCAAGCGG 2498
 Db 2199 TTCTCAGTGGGAGTGTGACCTTCCAGAGGTGACTGTGAGGCCCTTGTCAAGCGG 2258
 QY 2499 GAGAAAGATGGCGAATGTTCCAGGTGATGTGTGAGTGTGGGTAAAGCTGCGCTCAG 2558
 Db 2259 GAGGCGAGTGGCGAATCTTCCAGGCGGATGTGTGAGTGTGGGTAAAGCTGCGCTCAG 2317
 QY 2559 AGGAACAAGCCAGGCGTGTGACAAAGGCTCCCTGATGTTGGGAACTGGAATCAAGAGCAG 2618
 Db 2318 AGGAACAAGCCAGGCGTGTGACAAAGGCTCCCTGTTGGGAAATGATCAAGAGAGAC 2377
 QY 2619 ACTGGGATATAGAGCATGAGACAGACCGGACCAACAACCCAGAGGATGCCGAGCA 2678
 Db 2378 ACTGGGATATAGAGGAGCGCGG--GCCACCAATGTGTACACTGTGGGGGCAACCATG 2434
 QY 2679 TGCAACCTGATATAGAGAGAGAACTGACGATTTATGCTGTGCTTCCCCCCC 2738
 Db 2435 TCCACCCAGTGTGACCGCTGAGCGTGTGAGACTTGGCGCACCTGACCTGACAGCGC 2494
 QY 2739 AACACAACCCAGACTGTGACT 2760
 Db 2495 CCGGACATATACCTGTGACT 2516

RESULT 8
 US-09-654-600A-9
 ; Sequence 9, Application US/09654600A
 ; Patent No. 6649741
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Brien, Timothy J.
 ; APPLICANT: Tanimoto, Hirotochi
 ; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
 ; FILE REFERENCE: D6064CIP/D
 ; CURRENT APPLICATION NUMBER: US/09/654,600A
 ; PRIOR FILING DATE: 2000-09-01
 ; PRIOR APPLICATION NUMBER: 09/421,213
 ; 09/027,337
 ; PRIOR FILING DATE: 1999-10-20
 ; 1998-02-20
 ; NUMBER OF SEQ ID NOS: 98
 ; SEQ ID NO 9
 ; LENGTH: 2900
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: SNC-19; GeneBank Accession No. 6649741 #U20428
 US-09-654-600A-9

Query Match 49.3%; Score 1530.8; DB 4; Length 2900;
 Best Local Similarity 79.1%; Pred. No. 0;
 Matches 2011; Conservative 0; Mismatches 502; Indels 29; Gaps 15;

QY 222 CGCTGGGTGTGCTGTGGGAGTGTGATGCTTCTTGTGCTTCCCTCATGAGCTGGC 281
 Db 1 CGCTGGGTGTGCTGTGGGAGTGTGATGCTTCTTGTGCTTCCCTCATGAGCTGGC 60
 QY 282 TTGCTGTGTGGGCACTTCCATTAATCGGAATGTGGGGTTCAAAAAGCTTCAATGGCCAT 341
 Db 61 TTCTGTGTGTGGCACTTTCAGTACCGGAGAGTGTGTCAAGAAAGTCTTCAATGGCTAC 120
 QY 342 CTGAGATCAAAATGATCTTCTGATGCGTATGAGAACTCCACTCCAGAGATT 401
 Db 121 ATGAGATCAAAATGATCTTCTGATGCGTATGAGAACTCCACTCCAGAGATT 180
 QY 402 ATGAGCTGGCCAGCCAGGTGAAGAGGCGCTGAAGCTGTGTCAATGAATGCTCTGTG 461

Db 181 GTAACCTTGCCAGCAAGGTGAAGACCGGCTGAAGTGTCTGTACAGAGGAGATCCCATTC 240
QY 462 CTGGATCCCTTACACAGAAAGTCCGCTGTAACTGCTTTCATGTAGAGGACGTGTATCCGC 521
Db 241 CTGGGCCCCCTTACCAAGAGAGTCCGCTGTAGAGGCTTTCAGCAGAGGAGCCCTCATCCGC 300
QY 522 TACTACTGTGTAGAGTGTAGCAATCCCGACACCTGGCAGAAAGAGTTATGCGCGCATG 581
Db 301 TACTACTGTGTAGAGTGTAGCAATCCCGACACCTGTGTAGAGAGCCGAGCGCTCATG 360
QY 582 GCTGTGAGACGAGTTGTAACTATTGCCACCCCGACAGCACTGAAATCTTCTGTGTA 641
Db 361 GC-CAGGACCGGTATCATGCTGCCCGCGCGCGCTCCCTGAAAGCTTTGTGGTC 419
QY 642 ACATCTGTGTGCTTCCCATTTGACCCCAAGATGCTGTAGAGAGCTAGAGCAACAGC 701
Db 420 ACCTCAGTGTGTGCTTCCCGACGAGCTCCAAAACGTACAGAGAGCCAGAGCAACAGC 479
QY 702 TGAGATTTGCCCTGTATGCCATGTGTGAGAGCAAGCAAGCTTCACTACCCCTGCTTC 761
Db 480 TGTAGCTTTGGCTGTACAG-CGCGGTGTGTAGAGTGTATGCTTCAACAGCC-GGCTTC 537
QY 762 CCCAAGATCCCTTACCCGCGCATGCGCGCTGCGAGTGTGCTTCGCGGAGACGCCAGC 821
Db 538 CTGACAGCCCTTACCCCGCTCATGCCCCGCTGCAGATGG-----GCTGCGGAGACGCCAGC 592
QY 822 TCTGTGTAGCTTACCTTCCGAAGCTTGTATGTGCTCTCTGTATGTAGCATGTGCAGT 881
Db 593 GCAGTGTGTAGCTTACCTGTAGCTGTAGCTGTGAGCTGTGAGCTGTGACGAGCGCGAGC 652
QY 882 GACCTGTGTACCGGTATGTATGCTGTAGAGCCCATGTGAACCCACAGCTGTGTGCGCTG 941
Db 653 GACCTGTGTG-CGTGTACAAACCTGTAGAGCCCATGTAGAGCCCAAGC---CTGTAGTGT 708
QY 942 TGTGAGACCTTCTACCCCTCTTCAAACTGTACCTTCTCTCC--TCCGAGAGCTTCTTC 999
Db 709 TGTGAGACCTTACCTCTCTCTTCAAACTGTACCTTCTCTCCCTCCCAAGAGCTCTGC 768
QY 1000 TTGTACGCTGTATACCAATACTGTACCGGCGACATCTGTGCTTTGAGGCCATTTCTTC 1059
Db 769 TCATCACACTGATTAACCAACTGTAC--GGGCGATCCCGGCTTTGAGGCCACCTTCTTC 826
QY 1060 AGTGGCCCAAGTAGAGAGCGTGTGCGGCTTTTGAATGACACCCCAAGGAGCAATTTGCA 1119
Db 827 AGCTGCTTAGATGTAGAGCTGTGTAGAGCCGCTTACGTAAAGCCAGAGGAGCATTTACA 886
QY 1120 GCCCTCTACTATCCAGGCCACTACCCGCCCAACATCACTGTACATGTGAATATCAAGTGC 1179
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QY 1240 CAGTGGGCTCCTGTACCAAGGACTATGTGAGATCAACGGGGAGAAATGCTGCGTGA 1299
Db 1007 CTGTGGGCACTGCGCCCAAGAGACTGTGTAGAGATCAATGGGAGAAATATCTGCGGAGAG 1066
QY 1300 GGTCCCAATTTGTGTGTAGAGCAACAGCAGCAAGATTAAGTCACTCTTCTGTATC 1359
Db 1067 GGTCCCAATTTGTGTGTAGAGCAACAGCAGCAAGATTAAGTCACTCTTCTGTATC 1126
QY 1360 ACTGTATACGGAGACCGGGTTCTAGTGTAGTACCTCTCTTCTAGACTCCCAAGACCGGT 1419
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QY 1420 GCCCAGGAGATTTATGTGTGAAGACTGTGACGCTGATCCGAAGAGAACTGCGCTGCAGC 1479
Db 1187 GCCCGGAGAGATTTATGT 1246
QY 1480 GCTGT 1539
Db 1247 GCTGT 1305

QY 1540 AGTTACGTCGCAAAAACAGTTCTGTAAAGCCCTCTTCTGTGGTCTGTGACAGTGTCAAC 1599
Db 1306 AGTTACGTCGCAAAAACAGTTCTGTAAAG---CTTCTGTGGTCTGTGACAGTGTCAAC 1362
QY 1600 ACTGT 1658
Db 1363 AGT 1422
QY 1659 TCCATGT 1718
Db 1423 TCCATGT 1482
QY 1719 GGT 1778
Db 1483 GGT 1542
QY 1779 CGCTGT 1838
Db 1543 CGCTGT 1602
QY 1839 TGT 1898
Db 1603 TGT 1662
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Db 1663 GCTGT 1722
QY 1959 CAGCTGT 2018
Db 1723 CAGCTGT 1782
QY 2019 TGT 2078
Db 1783 TGT 1840
QY 2079 ACCGCTTCTGT 2138
Db 1841 ACCGCTTCTGT 1898
QY 2139 AGCTGT 2198
Db 1899 AGCTGT 1958
QY 2199 GCTGT 2258
Db 2259 GCTGT 2018
QY 2259 CCGAGCTGT 2078
Db 2019 CCGAGCTGT 2138
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Db 2219 ACAAAGAGAGAGT 2138
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Db 2139 CAGAGCACTGT 2198
QY 2439 TTCTGT 2498
Db 2199 TTCTGT 2258
QY 2499 GAGAGAGAGAGAGT 2558
Db 2259 GAGAGAGAGAGAGT 2317
QY 2559 AGAGAGAGAGAGAGT 2618
Db 2318 AGAGAGAGAGAGAGT 2377

QY	2619	ACTGGGGATATGCAACATCATGAGACAGACACCCGACCCAAACACACCCACAGAGGATGCCCCGACA	2678
Db	2378	ACTGGGGATATGAGGGCCGGG---GCCACCCAAATGTGTACACCTGCGGGGCCACCCCAATCG	2434
QY	2679	TGCACACCTGGATACAGGAGAGGAAACACTGACGACATTATGCTGTGGCCCTCCCCCCCC	2738
Db	2445	TTCACCCCAAGTGTGCACGCCCTGCGAGGCTGGAGACTCGCGCACCGGTGACCTTGACCAACGAGC	2494
QY	2739	AACACAAACCCAGACTGTGAACT	2760
Db	2495	CCGAGACATACACTGTGAACCT	2516

RESULT 9
ITE=09-03

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US-09-023-655-157
: Sequence 157, Application US/09023655
: Patent No. 6607879
: GENERAL INFORMATION:
: APPLICANT: Cocks, Benjamin G.
: APPLICANT: Susan G. Stuart
: APPLICANT: Jeffrey J. Sellhammer
: TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENES
: TITLE OF INVENTION: EXPRESSION
: NUMBER OF SEQUENCES: 1508
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
: STREET: 3174 PORTER DRIVE
: CITY: PALO ALTO
: STATE: CALIFORNIA
: COUNTRY: USA
: ZIP: 94304
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/023,655
: FILING DATE: HEREWITH
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Zeller, Karen J.
: REGISTRATION NUMBER: 37,071
: REFERENCE/DOCKET NUMBER: PA-0001 US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (650) 855-0555
: TELEFAX: (650) 845-4166
: INFORMATION FOR SEQ. ID NO. 157:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2152 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: LIBRARY: THE1NOB01
: CLONE: 034109
: US-09-023-655-157

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Query Match	30.4%	Score 943.8;	DB 4;	Length 2152;
Best Local Similarity	80.2%;	Pred. No. 7.3e-245;		
Matches 1145; Conservative	0;	Mismatches 278;	Indels 5;	Gaps 3;

QY	Db	QY	Db
1353	TCGATCAGCTCGTACCGGACCGGGTTCCTAGGTAGTACCTCCTACGATCCAC	1412	
318	TGAGTACAGTCTTACACGACACCGGCTTCTTAACTGAATACCTCTCTTACGATCCACGT	377	
1413	GACCCGCGCCACGGAGTTCATGTGCAAGCTGACGCTGCATCCGAAGAAATGCGC	1472	
378	GACCCATGCCCCGGGGCAGTTACATGTGCGACCGGGCGGTATATCCGAGAGAGCTGGC	437	

QY	1472	ATGCACGCGTGGGCGAGACTGCCCGGATTATATGTATGTAGCGCTTACTGCGCANTGCATATGCC	1532
Db	438	TGTATGCGTGGGCGGACTGCACCGACCAACGATAGCTCACTCAATGATTTGGACGCC	497
QY	1533	ACCCACCAAGTTCACGTGCAAAAAACCAAGTTCTGCAGGCCCTTTCTGGGTCGTGCACGT	1592
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QY	1593	GTCAACGACTGTGGGGACGGAAGTACACAGAGGGCTGCAGCTGTCTCTGCTGGCAGTTTC	1655
Db	558	GTGAACGACTGTGGGAGAACACAGCACAGAGAGGGGTCAAGTTGTCGGCCAGCCTTTC	617
QY	1653	AAAGTTTCCAAATGGGAAGTGTCTCCCTCAGAGCCAGAAAGTGAATGGGAAGCAACGT	1712
Db	618	AGGTTTCCAAATGGGAAGTGTCTCTCAGAAAACCGACAGTGCMAATGGGAAGGACACTGT	677
QY	1713	GGAGATGGGTCAGACGAGGCTTCAATGTACAGCGTGAATGTGCTCTTGCACCAATAT	1772
Db	678	GGGAGCGGGTCCGAGAGGCGCTCCCTGCCCAAGGTAACGTCTCACTGTATCCAAACAC	737
QY	1773	ACCTACCGCTGCAAAATGGGCTCTGTCTGAGCAAGGCAACCCGATGTGATGGGAG	1832
Db	728	ACCTACCGCTGCTCAATAGGCTCTGTCTTGGACAAAGGCAACCTGATGTATACGGAG	797
QY	1833	ACGCACTGTAACGATGGGCTCCGATGAGAAAACTGTGACTGTGGCTTGCATCTTTAC	1892
Db	798	GAGGACTTTAGCGACGGCTCAGATGAGAAAGACTGCGACTGTGGGCTCGGCTCATTTACG	857
QY	1893	AAACAAGGCTCCGCTGTGTGTGTGTGACCAATGCGACAGGGCGAGTGGCCCTGGCAGGTG	1952
Db	858	AGACAGGCTCGTGTGTGTGTGGGGGACAGGATCGGATGAGGGCGAGTGGCCCTGGCAGGTG	917
QY	1953	AGCCTCACGCGCTTGGGCGCAGGCGCACTTGTGTGGGGCTGCGTCATCTCTCCGACGTG	2012
Db	918	AGCCTGCATGCTCTGGGCGCAGGCGCAACTCTGGGCTGTCTCCCTCATCTCTCCAACTGG	977
QY	2013	CTGGTCTCTGACGCTCATTTGCTTTCAAGATGACAAAAATTTCAAGTACTGACTACACG	2072
Db	978	CTGGTCTCTGCGCACACTGCTACATGATGACAGAGATTCAGGTACTCAGACCCACG	1037
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QY	2133	GAGCTGAAGCTCAACGATCATCAACCACCCCTTCTTCAATGATTTCACTTGAGCTAT	2192
Db	1098	GAGCGCAGGCTCAAGCGGATCATCTCCACCCCTTTCAATGACTTCACTTGAGCTAT	1157
QY	2193	GACATGCGCTTGTGTGAGCTGTGAAGAACTCGGTGAAGTACAGCACCGTCTGCGCCCATC	2252
Db	1158	GACATGCGCTTGTGTGAGCTGTGAAGAAACCGGCAAGTACACATCTCAATGTGTGCGCCATC	1217
QY	2253	TGCCGTGCTGACTGCTACCATGTTTCCCTGCTGGCAAGGCACTGTGGGTCAACAGGCTGG	2312
Db	1218	TGCCGTGCGGACGCGCTCCCATGTTTCCCTGCGGCAAGGCACTGTGGGTCAACGCGCTGG	1277
QY	2313	GGGACACAAAGAAGGAGGTAACCGAGCGCTGATCTCTGACAGAAAGGTGAGATCTGTCT	2372
Db	1278	GGACACACCAAGTATGAGAGGACTGCGCGCTGATCTCTGCAAAAAGGGTGAGATCCGCTTC	1337
QY	2373	ATCAACACGACCACTGTGAGGACCTCATGTCGCGAGAGATCAACCCACGAATGATGTGT	2432
Db	1338	ATCAACACGACCACTGTGAGAACCTCTCTGCGGACAGATCAAGCGCGCGCATATATGTGTC	1397
QY	2433	GTGGGTTTCTCAATGAGGAGGTGTGACTCTCTGACAGGATGACTCTGTGTGCGCCCTGTCA	2492
Db	1398	GTGGGTTTCTCAACGCGCGGCGTGACTCTCTGACAGGATGATTCGCGGGGACCCCTGTTC	1457
QY	2493	AGCGCGAAGAAAGTATGGGCGCAATTTCTCAAGCTGTGTGTGTGACTGTGGGTGAAGGCTGC	2552
Db	1458	AGCGTGAAGCGGATGGGCGCATTTCTCAAGCGCGGTGTGTGTGACTGTGGGAGACGCGTGC	1517

Db 1496 ACATTATTCTTTTAAAAA 1530

RESULT 11

US-09-702-705-1480

; Sequence 1480, Application US/09702705

; Patent No. 6504010

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Lodes, Michael A.

; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom

; APPLICANT: Carter, Darrick

; APPLICANT: Retter, Marc

; APPLICANT: Mannion, Jane

; APPLICANT: Fan, Liqun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.478C14

; CURRENT APPLICATION NUMBER: US/09/702,705

; CURRENT FILING DATE: 2000-10-30

; NUMBER OF SEQ ID NOS: 1833

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1480

; LENGTH: 434

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-702-705-1480

Query Match

Best Local Similarity 9.9%; Score 306.8; DB 4; Length 434;

Matches 353; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

QY 1083 GCGGCGTTTGTAGTACACCAAGGACATTTAGAGCCCTACTATCCAGGCCACTAC 1142
Db 1 GGAGGCGGCTTACGTAAAGCCGAGGACATTCACAGCCCTACTACCAAGCCACTAC 60
QY 1143 CGGCCCAATCACTGACATGCAATGATATCAAGGTGCCCCCAACCGGAACGTGAAGTG 1202
Db 61 CCACCCCAATGACATGACATGCAATGATGAGGTGCCCCCAACCGATGTGAAGTG 120
QY 1203 GCGTTCAAACTCTTCTATCTGTGTGACCCCAAGTACCAAGTGGCTCTGTGACCAAGAC 1262
Db 121 CCGTTCAAACTCTTCTATCTGTGTGACCCCAAGTACCAAGTGGCTCTGTGACCAAGAC 180
QY 1263 TATGTGAGATCAACGGGGAAGTACTGCGGTGAGAGGTCCAGTTTGTGTGAGCAGC 1322
Db 181 TACGTGAGATCAACGGGGAAGTACTGCGGTGAGAGGTCCAGTTTGTGTGAGCAGC 240
QY 1323 AACAGCAGATCACTGACATGCACTTCTGATCTGATCACTGATCAACGACACCGGGTTTC 1382
Db 241 AACAGCAGATCACTGACATGCACTTCTGATCTGATCACTGATCAACGACACCGGGTTTC 300
QY 1383 CTAGTGAATACCTCTCTTCAAGCTTCAACGACCCGCTGCCAGGATGTTCATGTGCAAG 1442
Db 301 TTAGCTGAATACCTCTCTTCAAGCTTCAACGACCCGCTGCCAGGATGTTCATGTGCAAG 360
QY 1443 ACTGACGAGTATCCGAAAGAACTGGCGTGCAGCGGTGGGAGACTGCCCGGATAT 1502
Db 361 ACGGGCGGTGTATCCGAAAGAACTGGCGTGCAGCGGTGGGAGACTGCCCGGATAT 420
QY 1503 AGTGATGAGC 1512
Db 421 AGCGATGAGC 430

RESULT 12

US-09-736-457-1480

; Sequence 1480, Application US/09736457

; Patent No. 6509448

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1480
; LENGTH: 434
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-736-457-1480

Query Match

Best Local Similarity 9.9%; Score 306.8; DB 4; Length 434;

Matches 353; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

QY 1083 GCGGCGTTTGTAGTACACCAAGGACATTTAGAGCCCTACTATCCAGGCCACTAC 1142
Db 1 GGAGGCGGCTTACGTAAAGCCGAGGACATTCACAGCCCTACTACCAAGCCACTAC 60
QY 1143 CGGCCCAATCACTGACATGCAATGATATCAAGGTGCCCCCAACCGGAACGTGAAGTG 1202
Db 61 CCACCCCAATGACATGACATGCAATGATGAGGTGCCCCCAACCGATGTGAAGTG 120
QY 1203 GCGTTCAAACTCTTCTATCTGTGTGACCCCAAGTACCAAGTGGCTCTGTGACCAAGAC 1262
Db 121 CCGTTCAAACTCTTCTATCTGTGTGACCCCAAGTACCAAGTGGCTCTGTGACCAAGAC 180
QY 1263 TATGTGAGATCAACGGGGAAGTACTGCGGTGAGAGGTCCAGTTTGTGTGAGCAGC 1322
Db 181 TACGTGAGATCAACGGGGAAGTACTGCGGTGAGAGGTCCAGTTTGTGTGAGCAGC 240
QY 1323 AACAGCAGATCACTGACATGCACTTCTGATCTGATCACTGATCAACGACACCGGGTTTC 1382
Db 241 AACAGCAGATCACTGACATGCACTTCTGATCTGATCACTGATCAACGACACCGGGTTTC 300
QY 1383 CTAGTGAATACCTCTCTTCAAGCTTCAACGACCCGCTGCCAGGATGTTCATGTGCAAG 1442
Db 301 TTAGCTGAATACCTCTCTTCAAGCTTCAACGACCCGCTGCCAGGATGTTCATGTGCAAG 360
QY 1443 ACTGACGAGTATCCGAAAGAACTGGCGTGCAGCGGTGGGAGACTGCCCGGATAT 1502
Db 361 ACGGGCGGTGTATCCGAAAGAACTGGCGTGCAGCGGTGGGAGACTGCCCGGATAT 420
QY 1503 AGTGATGAGC 1512
Db 421 AGCGATGAGC 430

RESULT 13

US-09-614-124B-1480

; Sequence 1480, Application US/09614124B

; Patent No. 6630574

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Lodes, Michael A.

; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom

; APPLICANT: Carter, Darrick

; APPLICANT: Retter, Marc

; APPLICANT: Mannion, Jane


```
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
/ TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
/ FILE REFERENCE: 210121.478C9
/ CURRENT APPLICATION NUMBER: US/09/614,124B
/ CURRENT FILING DATE: 2001-07-11
/ NUMBER OF SEQ ID NOS: 1668
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 1480
/ LENGTH: 434
/ TYPE: DNA
/ ORGANISM: Homo sapien
US-09-614-124B-1480

Query Match
Best Local Similarity 9.9%; Score 306.8; DB 4; Length 434;
Matches 353; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

Db
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1 GGAGGCCGCTTAGTAAAGCCAGGGGACATTCACAGCCCTACTACCCAGGCCACTAC 60
1143 CCGCCCAACATCACTGCAATGGAATATCAAGGTGCCCAACACCGGAACGTGAAGTG 1202
61 CCACCCAACTTACATGACATGGAACATTCAGGTGCCCAACACGATGGAAGTG 120
1203 CGCTTCAAACTCTTCTATCTGTGAGAGCCCAACGTAACAGTGGGCTCTGACCAAGAG 1262
121 CGCTTCAAACTCTTCTATCTGTGAGAGCCCAACGTAACAGTGGGCTCTGACCAAGAG 180
1263 TATGTGAGATCAACGGGAGAAAGTACTGCGGTGAGAGGTCCAGTTTGTGTGAGAGC 1322
181 TAGTGAAGATCAATGGGAGAAATATCTGCGAGAGAGGTCCAGTTTGTGTGAGAGC 240
1323 AACAGCAAGATTAAGTTCATCTTCTATCTATCACTGTCACAGGACCGGCTTC 1382
241 AACAGCAAGATTAAGTTCATCTTCTATCTATCACTGTCACAGGACCGGCTTC 300
1383 CTAGCTGAGTACCTCTCTCACTGACACTCCAGACGCCGTGCGGAGGATGTCATGTGCAAG 1442
301 TTAGCTGAATACCTCTCTCACTGACACTCCAGATGCCATGCCAGGAGTTCACGTGCGG 360
1443 ACTGACGCTGATCCGAAAGAACTGCGTGCAGCGGCTGGGAGCACTGCGCGGATTAAT 1502
361 ACGGGGGGGTATCCGGAAGAGACTGCGTGTATGCTGGCGGACGACGACGACAC 420
1503 AGTGATGAGC 1512
421 AGCGATGAGC 430

RESULT 14
US-09-671-325-1480
/ Sequence 1480, Application US/09671325
/ Patent No. 6667154
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Tonglong
/ APPLICANT: Bangur, Chaitanya S.
/ APPLICANT: Lodes, Michael A.
/ APPLICANT: Fanger, Gary
/ APPLICANT: Vedvick, Tom
/ APPLICANT: Carter, Darriok
/ APPLICANT: Retter, Marc
/ APPLICANT: Mannion, Jane
/ APPLICANT: Pan, Liqun
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
/ TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
/ FILE REFERENCE: 210121.478C12
/ CURRENT APPLICATION NUMBER: US/09/671,325
/ CURRENT FILING DATE: 2000-09-26
/ NUMBER OF SEQ ID NOS: 1825
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 1480
/ LENGTH: 434
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/ TYPE: DNA
/ ORGANISM: Homo sapien
US-09-671-325-1480

Query Match
Best Local Similarity 9.9%; Score 306.8; DB 4; Length 434;
Matches 353; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

Db
1083 GCGCGCTTTTGTAGTACACCCAGGACATTAGACGCCCTACTATCCAGGCCACTAC 1142
1 GGAGGCCGCTTAGTAAAGCCAGGGGACATTCACAGCCCTACTACCCAGGCCACTAC 60
1143 CCGCCCAACATCACTGCAATGGAATATCAAGGTGCCCAACACCGGAACGTGAAGTG 1202
61 CCACCCAACTTACATGACATGGAACATTCAGGTGCCCAACACGATGGAAGTG 120
1203 CGCTTCAAACTCTTCTATCTGTGAGAGCCCAACGTAACAGTGGGCTCTGACCAAGAG 1262
121 CGCTTCAAACTCTTCTATCTGTGAGAGCCCAACGTAACAGTGGGCTCTGACCAAGAG 180
1263 TATGTGAGATCAACGGGAGAAAGTACTGCGGTGAGAGGTCCAGTTTGTGTGAGAGC 1322
181 TAGTGAAGATCAATGGGAGAAATATCTGCGAGAGAGGTCCAGTTTGTGTGAGAGC 240
1323 AACAGCAAGATTAAGTTCATCTTCTATCTATCACTGTCACAGGACCGGCTTC 1382
241 AACAGCAAGATTAAGTTCATCTTCTATCTATCACTGTCACAGGACCGGCTTC 300
1383 CTAGCTGAGTACCTCTCTCACTGACACTCCAGACGCCGTGCGGAGGATGTCATGTGCAAG 1442
301 TTAGCTGAATACCTCTCTCACTGACACTCCAGATGCCATGCCAGGAGTTCACGTGCGG 360
1443 ACTGACGCTGATCCGAAAGAACTGCGTGCAGCGGCTGGGAGCACTGCGCGGATTAAT 1502
361 ACGGGGGGGTATCCGGAAGAGACTGCGTGTATGCTGGCGGACGACGACGACAC 420
1503 AGTGATGAGC 1512
421 AGCGATGAGC 430

RESULT 15
US-09-280-116-107
/ Sequence 107, Application US/09280116A
/ Patent No. 6331427
/ GENERAL INFORMATION:
/ APPLICANT: Robison, Keith E.
/ TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
/ FILE REFERENCE: 5800-24, 035800/176965
/ CURRENT APPLICATION NUMBER: US/09/280,116A
/ CURRENT FILING DATE: 1999-03-26
/ NUMBER OF SEQ ID NOS: 268
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 107
/ LENGTH: 796
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: trypsin-like serine proteases
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(796)
/ OTHER INFORMATION: n = a, t, c o r g
US-09-280-116-107

Query Match
Best Local Similarity 5.6%; Score 173.2; DB 4; Length 796;
Matches 395; Conservative 0; Mismatches 269; Indels 21; Gaps 4;

Db
1744 GCGTGAATGCTGCTCTTTCACCAATATACCTACCGCTGCCAAATGCGCTCTGTGA 1803
106 GCGAGGAAGGGGTGCAATGGGACATTCACCTTCAGTGTAGAGACCGGAGCTGCTGA 165
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QY 1804 GCAAGGGCAACCTGAGTGTGATGGAGACGAGCTGAGTGTGCTCCGATGAGAAA 1863
 Db 166 AGAAGCCCAACCCGAGTGTGATGGAGCGGCCGAGCTGAGAGACGCTCGATGAGAGC 225
 QY 1864 ACTGTGACTGTGGGCTTCAGAGGCCCTCCA-----GCCGATTTGTTGGAGCTGTGT 1923
 Db 226 ACTGTGACTGTGGGCTTCAGAGGCCCTCCA-----GCCGATTTGTTGGAGCTGTGT 279
 QY 1924 CGAGACGAGGGCGAGTGGCCCTGGGAGGTGAGCTCCAGGCTTGGGCGAGGGCCACTTGT 1983
 Db 280 CTTCCGAGGGGTGAGTGGCCCATGGAGGCGCAGCTCCAGGTTGGGGTC---GACACATCT 336
 QY 1984 GTGGGGCTGTGCTCATCTCTCCGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT 2043
 Db 337 GTGGGGGGGGCCCTCATCTGCTGAGCCGTGGGTGATTAACAGCTGCCACTGTCTTCAGAGAG 396
 QY 2044 ACAAATAATTCAAGTACTGAGCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT 2103
 Db 397 ACAGCA-----TGGCCTCCAGGTTGTGTGAGCCGTTCTGTGGGCAAGTGTGGC 447
 QY 2104 AAGAGCAAGGCGAGTGTGCTGTGGGGTGCAGAGCTGAACTCAAAAGTATCATGACCCACC 2163
 Db 448 AGAAGCTCGGCTG---GCCGTGAGAGGTGTCTTCAAGGTGAGCCGCTGTCTCTGACCC 504
 QY 2164 CTTCTTCAATGATTTCACTTGCATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT 2223
 Db 505 CGTACCAACGAAAGAGACAGCCATGACTGAGAGTGTGGCGCTGTGAGCTGAGCTGAGCCACC 564
 QY 2224 TGGAGTACAGCAACGCTGTGGGCGCCCATGTGCTGTGAGTGTGAGTGTGAGTGTGAGTGT 2283
 Db 565 TGGTGGCTCGGCGCGCGCTGTGGCGCCGCTGTGCTGTGCGCGCGCTTGCAGAGGGCGGCCCATGAGCA 684
 QY 2284 CTGGCAAGGCTCATCTGGGTCAAGGCTGGGGGCGACAAAGAGAGGAGTACCGAGCGC 2343
 Db 625 CCGGCTGTGACTGTGATTACGGGCTGGGGCGCTTGCAGAGGGCGGCCCATGAGCA 684
 QY 2344 TGATCTTGAGAGGGGTGAGTCCGTGTATCAACGAGACCACTGTGAGACCTCATGC 2403
 Db 685 ACGCTCTGAGAAAGTGTGANTTATCCACAGGACCTGTGACAGGAGTCTATC 744
 QY 2404 CGCAGCAGATCAACCCACGATGAT 2428
 Db 745 GCTACCAAGTGAAGCAGCATGCT 769

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 Job time : 211 secs

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